Stephen O. Garrison's

Note Book

Jefferson Medical College

of Philadelphia

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96

x = No of gal in first
y = " " " 2nd

$x - 15 = \frac{2y - 30}{3}$

$x - 40 = \frac{2y - 40}{2}$

$x = 65$
$y = 90$

97

x = Numerator
y = Denominator

$\frac{x+1}{y+x} = \frac{1}{4}$

$\frac{x+2}{y+1} = \frac{8}{7}$

Ans: $x = 2$
$y = 10$

76

$5x$ & $7x$ = Two first
$3y$ & $5y$ = " 2nd

$5x + 3y : 7x + 5y :: 9 : 13$

$5x + 3y - 7x - 5y = 16$

$2x - 12 = 0$
$2x = 12$
$x = 6$

$2x - 6y = 0$
$-2x - 2y = 16$
$8y = 16$
$y = 2 \times 5 = 10$
$x = 6 \times 7 = 42$
$y = 2 \times 3 = 6$
$x = 6 \times 5 = 30$

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x = Rice
y = Wheat

$28 + x + y = 100$

$784 + 76x + 48y \leq 4000$

$4x - 6y : 5x - 7y :: 2 : 3$

$4x - 6y + 5x - 7y = 16$

x = Age
y = Age
$x+10 : y-20 :: 4 : 3$
$x-10 : y-10 :: 6 : 7$

$3x+30 = 4y-20$
$3x-4y = -50$
$7x-6y = 10$

$7x-70 = 6y-60$
$7x-6y = 10$

$28x - 24y = 40$
$18x - 24y = -300$

x = No. gal in 1st
y = " " " 2
$x-y$ = Rem
$2y$ = Amt

$2x-7y$
$9y-x$ Acc
$6y-2x = 16$
$3x-3y = 14$

$5x-6y : 4y-7y :: 2 : 3$
$5x-6y+4x-7y = 10$

Stephen A Garrison's Notes

Taken at the Jefferson Medical

College Philidelphia - - -

November 9th 1827 - - - - - - - - -

On Surgery

Dr McClellan Professor

Lectures on

Surgery — Dr M'Clellan —

Nov 9th 1827

Phlegmonic inflamation — attends wounds secreting the effusion of the coagulating Lymph is transuded into the celular system. to produce phlegmon — The adhesive inflamation is to be brought on in wounds to produce a cure — Termination in Suppuration attendee by secretion of pus. pus is not a putrified fluid genuine pus will sink in water & is coagulated by the muriate of amonia. when inflamation has gone beyond the Stage of adhesion it terminates in suppuration — ? Species Erisipelatous as a peculiar kind of inflamation. of 3 kinds or 1st Billious 2 Phlegmonous 3 — all partake of the Same causes — Billious Ericipalous when confined to Skin calld Local Eris. which merely present a very Slight degree of redness thickness & Smarting when pressed upon turns white on removing the pressure the natural colour returns — use no Severe Local remedies. The diet Should be Light — Transient cases presenting acute attacks generaly reside on evacuating the Stomach — 1 Dose of antimony followed by 1 or 2 cathartics &c — the cuticle exfoliates in 4 or 5 days Constitutional Symptoms varies Local treatment not very necessary in this Species of disease avoid all stimulating drinks or food. Insts apt to terminate in vesication absorbent powders apt to produce irritation therefore must be avoided. Lead water & opium are the best Lotions apt

— Surgery —

Phlegmonous Erisipelous Inflamation — in this species the constitution is always diseased & symptoms Loss of apetite the action of the heart & arteries are depress. 1st remedy is bleeding & absolutely necessary. the pulse is always hard tho sometimes aparently small — by active blood letting we may if timely administered always prevent bad consequences — Local treatment. Simple fomentations of Lead water & opium — 3 or 4 to 10 gr - to 1℥ aqua — the application of soft bread & milk poultice — Spread or anointed with hogs Lard — Rags dipt in cold water & applied sometimes does better than any other application — an hour or two will always test the effect of any Local remedy — Rest & cooling low diet are indespensible Blisters should never be applied to the diseased part if used at all they should be applied in narrow strips above the diseased part — when Suppuration does take place we cannot evacuate the pus too soon. the number of incisions in proportion to the size of the part affected — most dangerous when it occurs about the head — — Phalanx or Carbuncle — a Large flat uncircumscribed tumor of a deep livid hue & is surrounded by erisipelatous inflamation — has B Stages has a peculiar burning pain — 1st Stage Surrounded by inflamation of the erecipelous kind. in the Last stage there is no surrounding inflamation. if nature is Left to herself. after pus is secreted there will be several

distinct apertures - it is most apt to occur between the shoulders on the neck back throat & chin. Sometimes on other parts of the body. Most dangerous when it occurs on the throat & face - Sometimes hereditary. Treatment - In robust habits. Bleeding purging & the antiphlogestic regimen - in Lax & weak habits. this treatment varied acording to the State of the pulse for a cathartic 2 gr of Calomel may be given every 3 or 4 hours - in weak habits it will sometimes be necessary to give Stimulants. The sinking at the Last Stage of the disease will always be less as the remedies used succeed in removing inflamation - - If you find the Local remedies doing well if the patient is easy with the application Let them remain however simple for Local applications we may use emolient fomentations as Lead & opium Solution of poultices of Rye meal yeast & honey equal parts -

Nov. 19th. . Herpetic Inflamation - 2 Species Cronic & acute - 1st. acute herpes or shingles attendes generaly with a degree of febrile irritation and derangement of the Stomach & primavie after we have subdued the inflamation Local applications Lead water & opium .. also poppy heads as fomentations after the constitution is brought down. Bathe with a solution of Lunar Costic. Lunar Costic from 1/3 to 1/4 Gr to water ℥i -

Surgery

Chronic Herpes of the Lips nose eyes & genital organs a Specific disease & a specific remedy will only cure it give small doses of powders mineral Solution for some time regulating the diet properly not Strictly antiphlogistic is comonly attended with a slight degree of redness & itching If the patient is of a robust habit Bleeding purge &c — if feeble invigorate the System by tonicks regard to the State of the bowels & Stomach Shoule be observed with a nourishing diet — arsenic may be given in doses of from 1 to 2 drops for Children 3 to 4 for older Children 8 to 10 for adults in cases of Herpes on the body change the flanel daily washing the part with Castile Soap alone will often cure — Lunar Costic wet the costic with Saliva & then rub the Skin of the Diseased part ointments do injury — — — —

Burns & Scalds — 1st Morbic inflamation 3 Different Species 1st Which only produce redness smarting & irritation of the Skin apply raw cotton wet with Spirits always where there is no danger of vesication 2nd Species produce entire vesication of the Skin use emolient Light application Such as comon Saffron ointment after 5 or 6 hours we may use more severe remedies when fungus flesh appears we may remove them by touching with Lunar Costic —

2nd Species. Deep below the skin necessarily produce Sloughing. Sometimes sinking of the system occurs in which case nothing but the most powerful stimuli will avail Both Local & internal remedies acording to the state of the system Bread & milk poultices. & other Light applications useful often dressing very injurious. 2 or 3 days often enough Bathe the part with the boild spirits of terpentine & then apply the common poultice. This caries off the slough the above or flaxseed poultice. after the putrid comes on use the fermenting poultices

Cold Inflamation from cold produces the same affect as heat 1st Chilblains they are more tedious. & return with a slight degree of cold. use stimulants the same as in burns if torpor exist some use the barilas ointment if much iritation prevails cooling applications we may use the following prescription take tincture of cathariday 3ß. corrosive Sublimate 111 gr to 1 3 water dip a linen rag into it & lay it on Sometimes the red percipety ointment is used. when ulceration takes place the best application is Lunar coptic. the Litherage plaster is very good when Sloughing mortification take place use poultices & Soothing applications watch the system in all cases when the patient has been expose to a great

degree of Cold so as to produce insensibility. we should be very careful not to remove him to too warm a temperature leave him in an out house awhile we should apply friction or rub the patient. Cover him lightly at first. Let him be brought to a proper heat very Gradualy — we may apply cooling applications to the feet ——

we may first apply Snow. 2nd Cold Spirits & increase the warmth of the applications according to the warmth of the body —

Mortification — The Gangrenous Stage is the beginning of mortification or when the parts become green & a Loss of vital action

1st mortification arising from inflamation Phlegmonic inflamation rarely terminates in mortification. When Mortification does ocur if the inflamation continues & the System does not sink we Should Still try to remove the inflamation by the comon antiphlogistic remedys — —

2nd Mortification from furunculus. Seldom any thing more than the application of poultices necessary — —

Anthrax. The antiphlogistic regimen always necessary in the first Stage emolient poultices nothing but a watery diet. When Mortification has realy taken place with the sinking of the system. Stimulating remedies Should be used — Ericipelous may terminate in mortification when it has formed the vital force fallen.

tonics & Stimulants should be used. Sulphate of quanine every 2 hours —

Essence of beef. cut beef in small pieces put them into a bottle. put this into a kettle of water & boil the beef must be lean — 1 spoonful every [2 hour or half hour] opium. 1/2 to 2 gr. every 3 or 4 hours the carbonate of ammonia Camphor &.

Local remedies. Common fermenting poultices. in all cases of Erecipelatous inflamation terminating in mortification. make bold incisions down to the bup — it must be evacuated. Nov 23rd. 1/3 of bark to 1 pint of water. give a wine glass full every 3 hours. & every other 1/2 give 2 gr. quanine. when there is a disposition not to retain the remedy. the best Local remedy is a plying a mustard plaster to the Stomach. —

Mortification from Gangrenous inflamation. The patient taken with an intense pain in one of the extremities caused by bad food indigestible. with excessive fatigue — 1st cold water may be dasht over the patient in considerable quantyties. the use of deflation very wrong. Rub the system cool by spirits & water emoliants a camomile flowers opium. cooling drinks & Hoffmans anodyne if sinking occurs. Stimulants followed up by bark

Surgery

Gangrene resulting from fever – Scarlatena mortification of the fauces & pallate – continue the antiphlogestic plan with blisters mustard plasters on the extremities. & when the system begins to sink give the slightest stimulants. Local treatment Just touch the sloughing surface with Lunar cstic – attend to the general state of the System – The fatality of small pox sometimes occasioned by terminating in gangrene. mostly in ~~gangrene~~ the fauces. and if ulceration takes place in any other part smear it with Lunar cstic. Measles also sometimes terminate in mortification. –

Mortification from Mercurial action. Acurs about the nose chin face & fauces. Done by the high degree of irritability excited. Use cold air Laxatives it most frequently ocurs on taking off after taking Mercury. the part most exposed effected first. & may terminate in mortification. It is not a Specific disease. Use bleeding & cooling drinks & ventilation. if this does not succeed & the system is very irritable & the secretions not shut up use opium. this applies to debility also – When the system is much sunk Give tonics good porter – rench the mouth with Lead water Sucking tar through a rag. – With this treatment timely given will not terminate in gangrene – –

Mortification from intermittent fever in Children. the same treatment as in intermitting fevers. the fermenting poultices. the bark quanine. nutricious diet more Liberal than in the above fever –

Surgery

Dr. McAllen Nov. 26th. — Mortification from blisters — Both from Synapisms and Cathorides. A whiteness itching & smarting. comon symptoms Synapisms more apt to produce it than blisters. use emolient poultices. ~~opiates~~ &c. apt to prove fatal. The celular tissue looks pulpy & sanious. wash the part with a Solution of Lunar costic from 5 to 12 gr in an ℥ of water warm take a piece of lint wet in the solution & draw across the part. then apply a poultice of flaxseed or bread & milk. with a little hogs lard smeard over it In mortification from blisters. one of the most distressing. we must not give opiates as they increase irritability. We should alway remove the blisters as soon as vesication has taken place. Dry flies should never be sprinkled in the blister plaster. When the blister is removed wash the part with warm water foment it well then apply bread & milk poultices. if the blister did not draw perfectly the poultices will often effect it. never put on cabbage or other rough leaves too apt to irritate. Cure. apply mutton suet spread on a rag & laid over the surface. the most emolient the best applications. The Lunar costic is good. The State of System should always be attended to. heat & cold must be avoided we must be governed by general principles. If plethoric persue the antiphlogestic to keep down febrile irritation. Bloodletting may sometimes be necessary. if the System feeble or a sinking occurs give tonicks. —

Surgery

Mortification - not preacded by inflamation. 1st from presure occurs in iratable & feable constitutions most comonly occurs along the back Shoulders Sackrum. heels & also in other parts of the body - from laying too Long in one position in cases of convalescence. the patient feels an itching & smarting of the part. by the indication of which we may be aware of the aproaching State of the parts we may apply adhesive plaster Spread on soft buckskin to the part When the Sloughing has come on avoid presure by artificial means a matress with a hole in it &c. use fomenting poultices with charcoal dusted over it. frequently change the position of the patient. It sometimes occurs from the presure of bandages in cases of broken Limbs - if we find Sloughing occuring we Should remove the bandages imediately -

Nov 27th. Mortification calld Potts - ocurs most frequently on the toes tops of the fut or about the Kel - ocurs more frequently in males than in females. The patient disposed to set up much inclind to kep the Limb in a dependant posture In their treatment. we Should kep the patient in a medium temperature. apply as little presure as possible. It Generaly begins at the extremeties & progresses upward in old people in all such cases the arteries aproach to a State of ossification - apply cooling & soothing applications opium. in pills the more old & feirm the better

Scrofula — most Local diseases resemble Scrofula — In some cases it is heriditary. but in most cases aquired — A flaby lax State of all the System prove the existence of it. Has 3 Stages. 1st Constitutional. 2 Local. in which the disease is brought into action. 3rd. When the tumors Supurate and ulcerate in which hectic fever comes on — When heriditary we should only use palliative remidies. more comon among blacks than whites. more frequently among young People than old Causes. bad food — disordered State of the assimulateing functions the bones lighter & softer than in health, impure air external filth of all kinds. a foul & debilitateing atmosphere a foul State of the Skin & filthy clothing — indigestible food Low diet such as milk & water. Varied diet. heat &c &c fried meat with much fat. pork ducks & Geese unfit for the Stomach of Children or some adults. Shortned cakes hot bread in fact all irregularity of diet & temperature. & bad diet Symptoms. the breath sour. the upper Lip swoln belly large tho apparently robust the child is weak. is always apt to eat too much. the Stools irregular. the faeces Clay or mushy adhering to the rectum. before Long the Lymphatic glans enlarge & soon are found diseased. when the mesentary glans enlarge the nutrition is cut off and the patient dies. the external glans are converted into ulcers —

Surgery

Scrofula Locally developt in the Lungs Liver Spleen &c
small miliary pimples Comence the disease in these viscera
it may exist sometimes even for years without much
evident signs of disease. indeed in these viscera they may
be absorbed. but more frequently on taking cold or some
other exciting cause. suppurate. & produce surrounding
irritation. or irritation of the surrounding parts. The Last
Stage febrile irritation of the system call hectic fever True
hectic fever never occurs but in scrofulous habits. the
tubercles suppurate & is Phthisis Pulmonalis. The 1st Stage
of Scrofula always of an inflamatory character not use
tonics. but the antiphlogistic plan. Bloodletting from 6 to 10 oz
every 2 or 3 days. the 1st Stage the only time to pursue this
plan. not use blisters. Give mercury for several nights
also a Solution of tartarised antimony. from 2 to 6 gr
When we have subdued the inflamation use Local
applications blisters &c in True scrofulous hectic pulse is
soft. from 110 to 120. But in the inflamatory irritating
Stage wiery & will bear bleeding. The skin is always
soft except the sucks palms of the hand. but never
so hot & dry as in the first Stage The most manifest
is the night sweats which occur in sleep

No more to night.

necessary to evacuate pus by any means Setons issues &c

Surgery — Monday Dec. 3rd 1827

Scroffula. All the symptoms of Scroffula are much the same as those in worms. Such as swelled nose upper Lip irritated with contracted tongue & in the morning secretes mucus Treatment in hereditary scroffula we can do Little. the disease will return on every exciting cause. — All we can do is to use palliative remidies. Mostly results in hectic fever. To the patient weakly use tonics nutritious food such as eggs oysters puddings of rice &c. Moderate exercise. Reserve a medium temperature. Keep the digestion regular.

Dec. 6th Constitutional Hectic from Scroffula. In almost all cases requires nourishing diet & tonic remidies digestible food. Muriate tinc. of iron Decoction of bark. The antiph. plan wrong. The wild chery tree bark generaly better than chincona. Sulphate of quanine the preperation of bark. Stimulants if diarhea occur. In case of Sweating Give Elixor of vitriol. from 20 to 30 drops in a glass of water with a little loaf sugar. milk should not be used with the vitriol. when the bones or Lungs are affected give an infusion of wild chery tree bark. If the hectic fever is removed the corosive Sublimate may be used. it is injurious in too Large doses. we may give from the 30th to 40th or 60th part of gr if much pain & irritation attend. narcotics decoction of sasaparilla &c when no pain & irritation occur give corosive sublimate in all forms of scroffula

Surgery Friday Dec. 7th Dr. Mc

Medulary Scroffula — Most frequent in young persons rarely in those below the age of 30 or 40 - Symptoms a puffy bloated State of the System - Scirro Cancer more frequently in old persons Medulary Scroffula not easily cured when drove from one part attacks an other - It arises from the bones glands Lungs Liver & Serous membrane - a disease of different forms in different parts & different colour - treat always on general prineciples —

Syphilis — Dec. 7th Dr. Mc

Comprehends a great variety of diseases - Different forms of all the forms apear in any part. 1st It is called the primary form. Not confine to particular parts. When tumors form it is called intermediate Symptoms all do not follow the same course differ much as they affect different parts — There is only 1 kind of poison needs more than ordinary treatment we Should not use Mercury Sudorifie teas keep the parts clean Gonerehea - inflamation of the mucus membrane of the urethra produced by any unclean intercourse. External exciting causes use Light Laxative avoid exposure — when the disease gets worse we may Suspect venereal poison Generaly get well themselves —

Dr. Mc. Surger Dec. 17th Syphilus

Secondary Symptoms of venereal disease of true Chankre. Peculiar ulcers in the throat. they have the apearance of being Scoopt out with a Spoon & also eruption of the Skin accompaying or following it It is a peculiar Sealy apearance Put this by till next Course

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Dr. McClellan Surgery. Dec. 28th 1827

Wounds Lacerated Incised contused & Gunshot. Not necessary to divide Incised from Lacerated wounds. in union by the first intention is always attended with a slight degree of adhesive inflamation and what is cale union by the intention is the slightest degree of adhesive inflamation when blood is left between the surfaces of a wound it is obnoxious to the healing of it & is very apt to be converted into an abcess it may be absorbd but always a source of iritation. in Incised or Lacerated wounds the blood Should always be remove. The idea that blood is esential to the healing of incised wounds is absurd.

If hemerage ensue in incise wounds, pinch the orifice of the vesel with the forceps or apply a ligature till the wound is cleansd & then tear it away. or leave the ligature cutting 1 end off close to the knot & letting the other hang out at the nearest part of the wound never at the corner

Surgery — Wounds

Apply the adhesive plaster with the wound just closed leaving the Skin smothe. Strips narrow & number according to the size of the woune. If the wound is cut under the Skin as in cases of removing tumors & the parts are yielding below or motion in the parts it will be best to use the interupted suture. Plain simple silk thread number acoreding to the size of the wound. they should not be twisted or waxt. the edges of the wound smothely to approximate. tie them by a Squar knot. then aply strips of. Sticking plaster. then Simple lint. with a small bandage or roler.

Puncture Wounds Touching a nerve is not necesary to the production of Tettanus. it is not certain how tettanus is produced Inflamation from punctured wounds more apt to prove fatal than others. If we have Sensations in the part different from comen we should Suspect pus. In what is calld the shock the nervous System or Sensation apears to be destroyd. Pricks of a needle may produce fainting but this must not be considered as the above.

Contused & Gunshot Wounds must differ from any other as a part must Sloff & they can not heal without Cycatrization being produced. In Severe wounds the patients are Liable to die from the Shock to the nervous System

Wounds——

If the man has severe pain - pulse not unnatural is sensible & the febrile symptoms arise - it is not a Shock - If on the oposite the pulse - tremulous fluttering & irregular - and remaining so apearing to have no impulse in its motion - when the patient does not complain of any pain except by moans - the patient quiet in a state of stupor tho we may get from him an intelegent answer - coma the eyes turned up - which are the symptoms of the presence of Shock - or of shock to the nervous system - we should avoid every thing of a debilitateing kind - we may generaly supose the patient will die Stimula Cordials &c——

If the knee is the part Lacerated - with the varice State of the system if after 24 hours the symptoms do not became regular we have but little hope of recovery——

Superficial Wounds of the Scalp - We should apply as few and Light dressings as possible - In incised wounds of the scalp cleanse the part - tie the hair - we should not cut of the hair unless the wound is large angular or otherwise inconvenient to tie it even in these we need not ~~cut~~ Shave the part - If the wound is angular take 1 Stich of interupted suture at the angle not very deep - apply a compress of Lint - &c——

Wounds of The Scalp Superfic

When a part of the Scalp is torn up in case the roots of the hair pass through so as to irritate & hinder the part from healing we should pull them out by taking hold of the roots by a pair of broad forceps. after the parts are smoothly approximated confined by Sutures. no kind of applications or dressings necessary in addition to cleansing the part with Lead water. Keep the patient at rest. If foulness of the tongue. Symptoms of disorder in the prima via. nausa &c Give a small dose of Calomel at night followed by a dose of Epsom salts in the morning In wounds of the ear. carry the needle through the cartilage make the parts to approximate smoothly & accurately ——

Jan^{y} 1st 1828 — 9 o'clock Dr Mc Clellan

Wounds of the Eyelids — Modus. Dressing — take a fine cambric needle with a silk thread fine — a large curved needle and large thread would be apt to produce oedema and also more inconvenient. To all yielding parts we should use the Sutures. Cotton or Linen thread ~~is the~~ will do Silk is the best. if we can get it small enough. Raw silk 1 fibre the best — Apply very small & fine Strips of adhesive plaster a single compress of patient Lint confined by a simple roler or cap. the cuticle will generaly be strong enough to hold the sides of the wound together

Wounds of the Lips

Make the suture on the inside to avoid deformity. a simple stich with a strip of sticking plaster. ——

Wounds of the Pharynx & Larynx. Those who attempt suicide. if the hemorhage is profuse it will be from the corners of the wound we may employ Ligatures not down to the Trachea. necessary here to make the square knot. adhesive plaster sparingly used slightly elivating the head lightly drying the wound few strips of plaster & Light compress. ——

Deep muscular wounds. Longitudinal. Pass sutures simply through the integuments of the part. we should not use the adhesive plaster Lay a small piece of patient lint over the parts spread with a Little cerate. place compresses on each side & pass a roller round Lightly applied. Tight Bandages produce irritation & hinder the free circulation through the parts & below —

In Transeverse wounds. posture of more importance than any thing else. Raise the Leg bolster up the knee use interuptted suture avoid pressure. keep the muscles relaxt in every part which it may over. Muscles are always reunited by tendinous growth. dress them lightly

Jan 3rd Wounds of the Thorax. when blood & air exists in the cavity of the chest it is impossible to exclude them even if we do dilate the wound therefore we must depend on the process of absorption, all the practicle points in combatting the effect of the wound facilitate the process of absorption

Wounds of the Thorax

External depletion helps to stop the internal hemorhage. tho we should not use it if the patient is much exausted with the latter. If the patient lives a few days with ordinary dressings. then we may bleed. which will promote absorbtion. But we should never have recourse to depletory measures. for the purpose of absorption alone. If there is pain in the side cough with febrile symptoms we should bleed. which facilitates absorption Blisters cupping Leeching &c all facilitate it — It is possible for bleed to remain in the chest & be converted into an abcess even if this should occur there is less danger in opening the abcess. than in making an opening for the bleed to escape at 1st if it could be effected —. When an abcess is formed of this kind & requires to opening. there is externaly a kind of livid discolouration of the part — use the farinaceous diet

Wounds of the Abdomen

Differ from those of the chest in this there is no collapse . . differ because of the difference of the viscera contained by them — on acount of the contents of the abdomen completely filling up the cavity adhesive inflamation apt to occur on this ground. we may hope for succes in the most desperate cases — — — Contents of the gall bladder the most irritating if wounded & escapes into the cavity of the abdomen that of the bladder next that of the stomach next . and there also is more danger of the escape of the contents of these viscera than any other

Wounds of the Abdomen —

Adhesive inflamation takes place in the cavity of the abdomen with more facility than any other part. —— — ——

1st A wound which simply exposes the peritoneum. in which case we may have vicipelous inflamation of the surrounding part in all such cases we should protect the peritoneam: merely bring together the integuments use 2 or 3 sutures superficialy dressing the wound Lightly .. If near the centre of the abdomen relax the muscles by raising the knees putting something under the hips .. keep the patient at rest .. indeed the patient should not get up nor move more than canot possibly be avoided —

2 Wounds. Penetrating the peritoneum. Keep the abdominal muscles flext. when the wound heals there will be an adhesion of the parts. even if the peritoneum is not penetrated there will be adhesions formd —

3 Wounds of the Intestines. If we have a puncture the contents will pass out at the wounded part. if we Leave the cut place close to the external wound. not bring the edges together too close Leave the wounded intestine close to the external wound closing the external slightly. if we use any suture in closing the wounded intestine. a fine cambric needle & small silk thread small stich. the smaller the needle & thread the better in the middle of the wound of the intestine. close the external wound by 2 or 3 sutures. dress Lightly &c &c — ——

Jan 28th Wounds Intestines Saturday

In case the intestine is divided the general mode of treating is to apply 3 sutures 1 where the mesentary comes off. the other 2 at angles the knot must not be cut off very close. 3rd suture not tied. but fastened to the external orifice. stich. the Lower end of the intestine to the Lower corner of the wound & the other to the upper. the best way to replace the intestine in the abdomen is to raise up the edges of the external wound This mode of treatment should be used in wounds of the bladder Stomach & all such viera. But nothing can be more ridiculous than to treat wounds made in operating for hernia in the above

Wounds of the Joints Lacerated & Incised. 1st When the Synovial membrane is ruptured. not uncomon for this to be done when we do not suspect it — In all cases where we can we should bring together the edges of the wound make a compress of patent lint & aply it over the wound — We should press the blood out by bringing the edges of the wound carefuly together & then apply the lint. Not removing the blood from the external part. avoid sticking deeper than the skin. use as few Ligatures as possible if we use them at all — — —

Wounds of the Joint

Avoid using the adhesive plaster. bind on the dressings Lightly. Confine the Joint by Splints made to the Shape of the joint avoid all motions of the foot. keep the patient at perfect rest avoid every thing that will in any way create irritation or inconvenience. ——. When we make wounds by operations. nothing is more absurd than the common practice of starving the patient. Bleeding purging & dieting. or binding up the wound tight. I am content to treat the patient as in health. not debilitating the patient. he may eat beef Steaks oysters. a little brandy or wine. never bleed unless the patient is robust. & constitutionaly requires depletion. always wait till fever ever ocur unless constitution as above ——

Transverse Wounds of the Tends Achilles. Generaly no need of Sticking the tendon always better. to cast 1 or more Stiches through the integuments. & then apply a dosil of Lint over the part apply the Lightest dressings. Put on a Shoe with a Strap of Leather nailed to the heel. fastened on the back of the Leg above the knee. by a few turns of a roller ——

In all cases of ~~extensive~~ wounded tendons we should avoid pressure on the part ——

Wounds Punctured. If no foreign bodies are carried into the wounds are called Simple. punctured wounds. if otherwise called compound punctured wounds.

Punctured Wounds

In punctured poisonous wounds. the patient will probably be seized with pain in some other part violently appears somewhat dangerous. then you may think there is some morbid matter absorbed the Lymphatics are liable to be affected the glands. swell and Supurate. the veins also ~~swell~~ inflamed & carry the pus to the right auricle of the heart the nerves may also be inflamed But still it is very difficult to distinguish between them.—— But if we find only the Local symptoms occur instance if the finger is punctured & the there is no morbid matter present the puncture will first inflame & swell then the hand then the arm & so extend over the body when this occurs we may supose there is only a simple puncture... Always treat the patient according to the symptoms present... If we apply Lunar Costic it should alway be done before the inflamation comes on... We should alway have the wound sucked imediately it may next be proffer to destroy the surface of the wound by Lunar costic or cut out the wound. in case of bites of poisonous animals if it should occur in a part where no danger is present When constitutional derangement occurs as pain in the head general inflamation &c follow the depletory measures bleed purge diet &c if Constitutional retation occur put the patient on a soothing plan. in all cases blisters are of imense advantage... if we have swelling or pain in the side apply a blister to the part. alway treat the symptoms as they arise

Injuries of the head. Trephine Mode of using—

In removing the pericranium it is best to make three incisions in this manner ⟩— then dissect up the angles after the scalp is raised if the pericranium is attacht to the bone. we may apply the trephine. when the centre pin has penetrated the bone we may lay by a sharp pointed knife cut it away all round the saw— In using the instrument there is no nee of applying much presure. Move the hand evenly steadily & briskly backwards & forwards. after we have cut through the 1st table we should be very careful removing the instrument every 2 or 3 turns & applying the tooth pick ——

Compression of the brain. Symptoms. the breathing is slow full deep & heavy Pulse full & slow. from 40 to 60 per minute. Eyes dilated & fixt. Sometimes the insensibility is complete— paralysys sometimes of the whole system generaly on the side where the injury was inflicted. tho sometimes greatest on the other side. if on removing the scalp & scraping the bone it passes blood all round. but not where the wound was inflicted we have the strongest reasons to believe the compression exists there— But we may have blood passed from the bone on scraping and yet the compression exist in consequence of the medulary vessels passing through the bone in an oblique direction. ——

Concussion. In this the patient will almost always give a coherent answer the pulse will be iregular. the eyes will not be dilated nor fixt as in compresion— in concussion the organic structure is not deranged. a shock to the General System

Injuries of the head —

There is a great variety of inflamations may occur in injuries of the brain from pushing the antiphlogistic regimen to far in Compression tho by them at first we relieve the symptoms: after which a hard bounding pulse with other inflamitory symptoms may Comeon

First we may have concussion: next Compression & then inflamation. We may sometimes cure by profuse bleeding & the antiphlogistic plan if it is mere concussion or slight Compression — But we must always judge of the case from the symptoms present. Cases may occur in which we should use stimulants for a short time to rouse the vital energies — We must be careful to emty the bladder if necessary. keep the bowels open — If the head is hot apply cloths wrung out in vinegar & water. If much heat & proceeding phrenitis apply pounded ice in bladders to each side of the head having it shaved — Fractures — if a fragment of bone be detacht from all surrounding parts they should be removed. only when they have a large attatchment should we leave them. if the middle artery of the dura matter is exposed & bleeds. we should not apply lint. better to pinch it with forceps bruise the extremity. Bring the external parts together perhaps necesary to make 2 or 3 stiches if the edges turn in apply a light bandage — We may have compression of the brain or afterwards. when there is no organic derangemet immediately caused by the injury —

Injuries of the Brain

Jan.y 14th — When a Shock is produced by a blow or any external injury. if the patient does not recover get up & walk about we may suspect organic injury of the brain — Even in cases of evident Compression — Trephineing necessary in a very few cases never merely for the purpose of removing the compression more for the purpose of removing comprest Spicula of bone which may afterwards prove a source of misery & even fatality. The only purpose for which we trephine is to remove Spicula of bone & for Compression

Medical Surgery — If we have a patient of this kind clear out the bystanders from the room put the patient in a clear air ventilated room keep the patient at rest. The slightest kind of Concussion prevents the flow of blood to the part by a bruising or Shaking of the part — not bleed endeavour to restore the action of the System not purge remove every thing that has a tendency to obstruct the circulation. Leaveing the patient at rest watching him elivate the head but little at first not more than a pillow under it. raise it gradually & slowly & cautiously apply cooling aplications. if the head begins to be hot the feet & hands cold warm them wrap them in warm flanel

Compression —

Should a case occur in which we could not operate or the operation is not successful. By bleeding profusely we can almost always remove the Compression — —

Acute Inflamation of the brain. Use the antiphlogistic plan to the extreme. 1st cooling applications to the head & warm to the hands & feet. Blisters should not be used at first. never drawn blood from the inflamed part by cupping leaching &c —

Chronic Inflamation of the brain. apt to be mistaken for other diseases Symptoms. Listlessness. the patient gets up out of his bed blunders about. when put back lays quietly till some excitement induces him to do the same. Sleeps much coma occurs the skin apt to be cool. pulse full & weak dullness want of comprehension. the patient dies in a state of coma. we may have an abcess of the part If we bleed & purge the patient will die. The use of Blisters & Synapysons. issues &c. elivating the head use gentle Laxatives use of the moxia — —

Compression. in this we should be very cautious in making up our opinion. we may mistake intoxication for it where we Suspect it we should wait 6 or 8 hours

Hernia Cerebri — Jan 15th

This comprises 3 or 4 varieties of disease. Several different kinds — when there is too great a flow of blood to the head. when more than the natural quantity of blood circulates through the brain. may collect & form hernia. & pus may be formed —. apply moderate pressure & profuse depletion never use severe pressure or violent means of any kind In case of exposed surface of the dura matter. easily managed ~~that is~~ fungus growth — from wounded dura matter much more dangerous than when they grow from the uninjured surface. Local treatment moderate. may be proper to secure the carotid artery. ——— ———

Awake thou that Sleepest and arise from the dead and Christ Shall give the Light

Eph. V. 14.

1st The State of man by nature - asleep - Dead.
2nd The exortation, Awake &c
3rd The promise - Christ Shall Give the Light -

Mankind are represented in Scripture as being asleep - and dead. while in their natural - or Sinful State - You all know what the is the meaning of the word Sleep literaly - it is not only a State of inactivity but a State of insensibility in a great degree - 2ly. the person has the sensitive organs. they are incapable in this State of performing their proper functions 3ly Thus the man in a State of nature "Having eyes Sees not and having ears hears not, and tastes not that the Lord is gracious." He is not only represented as being asleep but dead. now in Sleep literaly. there is one Sense that does not appear to ~~partake~~ be So fully ~~of the~~ insensible as the others that is the Sense feeling

but in man that is dead even this Sense is extinct- and the man tho he has all the organiec Structure that a living man possesses. yet he is entirely insensible because the principle of life is extinct- you handle him in this State but he feels you not.— Thus mankind in a State of nature- are not only asleep but dead.. the Spirit of God the vital principle of the Soul is extinct- the whole Soul is prostrated- and become insensible- & of the State in which they are in- they are unaquainted with themselves. imagining that the have much Light while a deep darkness Covers them thinking they are wise while they know not God their maker- & preserver- nor themselves-- & Insensible of the danger to which they are exposed.. tho full of all diseases he fancies himself to be in perfect health- fast bound in misery and iron he dreams that he is happy Cries peace peace- while the devil

as a Strong armed man, has full possession of his Soul.. He Sleeps on and takes his rest the hell is moved from beneath to meet him— tho the pit from whence there is no return hath opened its mouth to Swallow him up:. A fire is kindled around him yet he knoweth it not. Yea it burns him but but he Lays it not to heart.— Thus mankind by nature are dead to God. dead. to their own Good.. to all true happiness to all Substancial enjoyment See. Romans 1-Chapter

2. But Some that have once been awakened again Sleep— They have been alive but now are dead.— aroused from their State of Supineness by the voice of God. they thought of ariseing but. again have Sunk into the arms of Carnal repose

Those that did arise and upon whom the Light of Christ Shone.— have thrown themselves upon their Laodician bed

Closed their eyes to the light of Christ - and
perhaps are as fast asleep as before
yet more miserable —

Sermon

Justification By faith.

Founded on Romans V- 1- Therefore being &c

1st Examine the General Ground of Justification or Mans fallen, Lost & unrighteous and Consequently guilty condition in the sight of God-

2nd The originating Cause of Justification is the Grace, the free undeserved and Spontaneous Love of God- toward fallen man

3.ly The meritorious cause of our Justification is the Lord Jesus Christ.

4.th Faith is the ~~instrumental~~ conditional ~~procuring~~ Cause.. "By faith ye are Saved,"
This faith is a complex act of the mind which includes three Distinct but Concurent exertions of its powers — It includes —
1st The assent of the understanding to the truth of the testimony of God. in the Gospel and Specialy to that part of it which Shows the design and efficacy of the death of Jesus as a Sacrafise for sin — 2.ly the Consent of the will and affections to this plan of Salvation. Such an approbation and choice of it as imply a renunciation

of every other refuge and a steadily
and decided preference to this —
3ly Actual trust in the Saviour and
personal apprehension of his merits —

Jesus Christ — John. 15 C v

I am the way, the truth and the life
and no Man Cometh unto the Father but by me

Christ as the way 1st By his doctrine. Luc C. 4-68
"Thou hast the words of Eternal Life"
2nd By his example - 1. Peter 2 C 21 v - 25 v Read -
3rd By his Sacrafice. Heb. 9 C - 8 9 - read. —
4th By his Spirit. C. 16 - 13 v. - —

He is the truth. 1st In opposition to all
false religions. ———
2. To the Mosaic Law - which was only
the "Shadow" not the truth or Substance
of the Good things which were to come.
And. 3rd in respect to all the promises
of God. — 2nd Cor. 1 — 20. — read. ——

The Life. 1st of his followers in this
world — & 2d of his Glorified Saints
in the world to come
No-man &c — By no other doctrine
no other merit no other intercession
than mine.

Titus 11c — 11v — 12.v. — 7

For the grace of God that bringeth Salvation &c.

1st — How the Grace or gospel of God that appears

2nd — What it teaches —

1 self denial — 2nd Holy Livings —

John. 1c. 29th v

Behold the Lamb of God. that taketh away the Sin of the world —

Words of John the B.t — Lamb — in refference to the innocence and mild disposition of that animal — Lambs were offered in Sacrifice — Jesus Christ was the Great Sacrificial offering for the Sins of the whole world

He. Takes away. our Sins — None must expect to Saved in their Sins —

Sin is ever offensive in the sight of a Holy God — Hence while it remains

no one can be well pleasing to Him
Christ has come to take it away - by a
Sacrifice of himself once for all - By
faith in him we are Justified. our Heart
Changed - our carnal minds destroyed
As far as the east is from the west &c -
In him as Mediator. offended Justice
and offending man meets - &
"And God to man is reconciled"

Epis. St James 1c. 23- 4-& 5 vs

For If any man be a hearer of the word. &c.—

The apostle Shows. in the 23 & 4th vs. by a figure the little proffit or advantage a hearer of the word (or Gospel) may receive. In the 25th v. he speaks of the blessing. attendant on the practical & persevering hearer—

1st The Gospel is a Law because it imposes obligations. It is a rule of action.

It is a Law of Liberty. in comparison of the ceremonial laws of the Jews.—

A Law of liberty. because it delivers it votaries. from the Servitude of Satan— from Sin. its Guilt— its power. its Consequences.—

A perfect Law— from the perfection of the Law giver— the purity of its morals— its adaptation to the Condition of all men in all ages & under all circumstances.

2nd To what the individual is likened that heareth this word. & does it not—

3. The necesity of not only hearing & doing but we must Continue to do ~~Continue~~
4. The blesings attendant upon this Courge —

Mat. III c - 2nd v. —

Repent ye for the kingdom of heaven &c

1st Repentance includes when genuine

1st — 1st Just views of the evil of Sin —

2. Conviction of guilt & Danger —

3 — Sincere Contriton & Sorrow —

4 Humble Confession to God —

5. Forsaking of Sin in heart & practice

6 Endeavours after universal obedience

7. Carefulness against relapses into sin —

2.ly – Necesity of – or reasons why. we are commanded to repent –

1st Because we are Sinners & as such can never receive the kingdom of God which is at hand. –

2." God whose we are – ~~in~~ ~~he~~ – ~~Co~~ requires it. –

3. Because if Genuine will – be followed by. Justification

4. Without it we must perrish forever –

Parelel-pass- Mat- 23-12. Luke- 14-11. Prov- 29-23
Matthew Jas 4-6/10. Peter-5-6.

The manner in which the Lord deals with Man

Luke 18.C- 14.v. — I tell you this man went down to his house Justified, rather than the other; for every one that exalteth himself shall be abased: and he that humbleth himself, shall be exalted. —

1st I may say that all persons who are unregenerate are self exalted - tho their pretentions to religion & Sanctity, may be as great, as was the Pharisees

2nd All such, unless they humble themselves God has declared he will abase or bring down —

3rd All who humble themselves - feel & see their Littleness - Nothingness - & helplessness & entire dependence on God - as their preserver & Redeemer -

4- Such - & such alone will God exalt Give them his Grace & favor them with his presence -

Exalt to the adoption of Sons & daughters in this world - to the fellowship of his Church -

and the ordinances of his house -
But when death Shall Sever their
Connection with earthly things -- he will
exalt them to Heaven - to enjoy the
Company of angels - the Company of the
redeemed -- to the presence of his own
Eternal Glory -

St John's Gospel X – 10th — Last part

"I am come that they might have Life &c"

Our blessed Saviour in the previous verses by parable & figures – Shows that he is the only true Messiah – & only Saviour of all who Come to him & that they who Come to him or enter in by know his voice – & follow him –.

And he also asserts that – all who had Come before him professing to be the "Christ" – were impostors – and were so regarded by the truly pious –

That the design of these false Shepherds were not to Save, but to Steal. Kill & Destroy. — They were influenced by Selfish motives – the welfare of mankind either temporal or Spiritual was no part of their ultimate object –

Not so with Jesus – his object is the good of others the Salvation of all – and as proof of this

He has given his life for the express purpose that- general good- and eternal life- might be given to all who come to him-

This brings us to consider the passage And- 1st Who- has Jesus- Come to Give life--

To- all- says the apostle -- this life is brought within the reach of all- but they that- repent & believe- and thus enter by the door- (Christ) only can receive it-

And this 2nd is the object- of Christs Coming That- they might- have Life,,

3. The- measure or abundance of this Life

1st In- opposition to former dispensation

2.- In reference to its extent & Glory.-

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1. Nature of Life which Christ Came to secure-

2 Specific acts of this Life

3- Measure-

John. III - 19 (18)

And this is the Condemnation &c—

1 – Light has come — Christ – ~~the~~ The fountain – His doctrines – Morals – As the sun is the light of the natural So – Jesus of – the – Spiritual —

2 Men Love darkness – because – their hearts & deeds are evil they will not receive the the – it reproves their wickedness – which they Love – & Consequently they love darkness – that the Light may not disquiet – Conceince

3 They are condemned – because the Light has come – enabling them to see – but they prefer the darkness – Close their eyes – Shut their ears to truth – and determine to live in Sin – Condemned – Not because they came into the world naturaly depraved – Not because they have personaly Sinned – but because they will not repent & receive Salvation as offered by faith in Christ –

(19) John III – 20 – 1.

1.– Whatever the profession of a person may be – if he hateth the light – is not willing that his practices & motives should be searched in the light of Divine truth. This is a proof that he doeth – or practiceth evil.

2.– Our Saviour gives as a reason for his not consenting to this examination – fear that his deeds should be reproved, or made manifest.

2.d– On the other hand a willingness in men to have their practices & motives compared to & examined by the light of Divine truth – A proof that they do or practice the truth.

2.– Our Saviours reason – a consciousness of the purity of his motives & rectitude of his conduct – he knows that they accord with the word – & that God approves & works in him to will & do his pleasure – Fear is in the first instance caused by Condemnation –

2.– Love – Joy – & peace – Consequences of Confidence in God.

1 Epis. John III - 2.

Beloved — now are we the Sons of God. —

St. John addresses himself to believers & speaks of their present State — now there was a time when they were not the Sons of God — but were children of the wicked one, —

1s. The evidences or marks by which we may know whether we are the Sons or Children of God. —

1. The fruits of the Spirit are manifested by all who are born of the Spirit,

" Love — to God — & our fellows.

"If any man say I love God & hateth his brother — he is a liar. 1 Jo 4c — 20v

2 — Faithful discharge of every Christian duty —

3. — Direct witness of the Spirit of God "The Spirit itself beareth witness with our Spirits that we are the children of God — Rom — 8c — 16 —

2.– The privileges of the Children of God

1. God is their father–– they enjoy his peculiar care– as such–– being made members of his family (Church) in this world–

2– Christ is their Brother – having taken our Nature & become in likeness as man – He the Only begotten– we adopted ~~children~~ sons– by faith in his all atoning blood ––

3– The Spirit our Guide & Comforter

4 God Gives them a new Name

5– A new Spirit instruction– protection Correction

6– They have access to him in prayer

7. " A Guard of angels

8– " A Glorious Inheritance ––

Parallel. pas- Job. 19-26- Psalms 23-4-& 37-37.

"The wicked is driven away in his wickedness: but the righteous hath hope in his death - Prov. 14. 32.—

1. The Character of the Wicked.—

2ly. Import of the expresion driven away &c

1- He must be driven from or part with all his worldly prospects & enjoyments——

2- From all the means and opertunities that he might have, avails himself of in this world in order to his Salvation.——

3- From all promised good in a future State.. The enjoyment of God- Company of the redeemed &c-

And- 4.ly Into actual punishment.—

The wicked Shall be turned into hell- &c——

3rd The characters of the righteous—
and his hope—

1 No one righteous by nature

2 None practicaly righteous in the sight of God— only on the Ground of faith in Christ—

Hence the necesity of a change in our relation to God— in order to our becomeing righteous — And this Change only Can be wrought by faith

3 By faith we receive the principle on which the righteousness of all are based — or from which every deed that can truely be ~~Called~~ called righteous must proceed— & this principle is love love to God — & love to our fellows —

— "If a man love me he will keep my words"

4 Doing the words or Keeping the Commands of the Saviour is what Constitutes the righteousness spoken of in the text—

b. We may enquire what are the Commands of the Saviour --

1 – Endeavours – for the the Spiritual good – of our fellows.

2 –

Principles of the Christian life 25

VIII. 34. Gospel by St Mark

Whosoever will come after me &

1 They - That come to Christ act voluntarily.

2 " " Renounce Self-dependence His own will - The inclination of his nature Let him deny &c "

3 " " Embrace the conditions of the Gospel or Submit to the will of God as expressed in his word.

Boldly professing Christ & Cheerfully Submitting to the afflictions consequent upon such profession.

" Take up his cross "

4- Take Christ for our pattern in all things - imitate his example - ~~follow him~~ while we live - "Follow me"

Lord to whom shall we go? Thou hast the words of eternal life John VI. 68

In order to satisfy ourselves with what propriety St Peter used the words of the text—we may in the first place examine the words or doctrines of the discourse which our Saviour delivered in the Synagogue of Capernaum immediately preceding this profession of Peters faith

1st Then in this discourse as well as many others the important truth is kept in view that men are spiritualy dead—Indeed the whole of the gospel Salvation by Christ is founded on this fact "Man is a fallen sinful & perishing condition naturaly and continualy prone to sin ——

2d We find the doctrine of mans utter inability to come to Christ or turn from his sins without divine aid See v. 44. Hence mankind must remain in this State of guilt & death did not the Spirit of God draw them ——

3 3rd "That the death of Christ was to be a vicarious Sacrifice and atonement for the Sins of the Whole world See v. 37 — "That injured Justice might be Satisfied and thus away for offending man to be Saved — Or be restored to that Spiritual life which he had Lost —

4. "That this Atonement reaches in its offers and benefits to all men. See v 40

5. But that the condition of or means through which these benefits are received. is faith on the part of the creature — or trust in the Saviour as the only meretorious Cause of their Salvation — See — Vrs — 40 — 47. —

6. "This life is not only Spiritual but endless — not of Soul only but body also — See — v. 40 —

The profession of faith which Peter in behalf of the apostles — makes in the text an preceeding verse — was undoubtedly drawn from circumstances & doctrines like unto or in connection with those recorded in this Chapter — And indeed we find sufficient here — to call for the a like profession from any who were not equaly hardened with the unbelieving Jews — And like them resolved at all hazards to seek their good in this present world. —

Well might Peter reason thus! We know that man is spiritualy dead. We know that he cannot be restored by human means. Thou hast not only declared these fact but that thou thyself art the great personage & the hope of Israel — long expected. That thy life will be forfeited in order to satisfy offended Justice & make it possible that all men (who are now in a state of the death) may by believing

in thee be restored to that Spiritual life we have lost in consequence of the fall— And this is not all. Thou declarest that all who believe unto Salvation thou will raise up at the last day. thus restoring Soul & body. to their former primeval rectitude. "Thou hast the words of eternal life—

"We know are sure; certain on this subject the miracles which thou hast wrought are still fresh in our minds— we know that no human being can perform. Such miracles as thou performest— And we know also that God would not enable an impostor to perform Such wonderful works— Thus the apostles and thus every candid enquirer after truth— must come after carefully examining the life miracles and doctrines of Jesus Christ— That he and he alone teaches

the words of eternal life. —
Well might the apostle say to whom
shall we go? Where else can we
find such a Saviour? - And would
to Heaven that this enquiry might
be started in every mind
Where would you go? You have tried
the Service of Satan: you know
the wages of Sin is death - You have
tried the world - And what has it
done for you? Has it brought peace
to your breast? What is your
present State Has no your life been
one continued Sense of disappointments?
Where is the happiness you promised
yourself on the attainment of this or
that object? Has it not eluded
your grasp? and left you the
same comfortless being.
You have sought pleasurable happiness
mixed with the vain Gay and trifling
or in gratifying your lustful appetites
and desires - or some of you more

refined have sought for happiness
in higher and more praiseworthy objects
in reading and research. And what
has all this done for you? Has it
changed those dispositions of heart
that make you miserable?
Has this secured your peace with
your Maker? — To all these questions
you must answer in the negative
And you feel that you are now
condemned. and why? Because you
do not believe on the Son of God.

And be you assured that whether
you try for Riches ~~honors~~ pleasures
or the honours of the world - you
will ever be disapointed. none of
these have the words of eternal
~~Mine~~ None but Jesus
"Can do helpless sinners good"

Feb 13-1842

2nd Peter III-18.

But grow in grace.—

1 By grace we understand - Divine influence on the soul —
Austin defines it to be the inspiration of love. - which prompts us to practice according - to what we know &c —
without the inward grace of Jesus Christ man is not able to do the least thing that is good. —
Termed preventing enlightening. Justifying Sanctifying. - Strengthening &c —
Termed also - in the epistles;; Love. peace humility. patience &c

2. Means. by which we are to grow &
or channels by which the grace of god is communicated to the soul.
1. Prayer. holds the most prominent place as. going before being associated with and following every other means of grace —

2nd Searching the Scriptures. in which we include reading hearing &c—

3. Sacraments &c

Secondarily. We may notice. Sabbath— and prudential means—

3d Motives. 1. The enjoyment of the grace of God in reference to this life

2. Hope of Glory—

3. To Shun Misery:

35

Heb. 2c. 3v

How shall we escape if we neglect so great Salvation —

1. The peculiar phraseology of the phrase Great Salvation

1- God is its author - the whole Trinity engaged in the work

2- In its simplicity - repentance & faith the ~~instruments~~ necessary on the part of man

3 In its effects - deliverance from ~~3~~ - Satan - Sin guilt hell -

4 In its ~~extent~~ duration - eternal

2-1 The neglecters of - who?

All who do not embrace it -

2- Not only the profane & profligate wicked - but all who do not receive it in God own appointed way - & live in accordance with its requirements

3 The folly of Such-neglect
of how Shall we escape —

St John - 15c - 4 ve

~~Abide in me~~

As a branch Cannot bear fruit —

1 - Notice the metaphor the vine - (Christ). The branches (covers this folla

2 - The necessity of being engrafted

See Romans 11-20 & or united - to Christ - by faith

3 - ~~The fruit~~ - We receive continually from Christ - The power to do good (The branch) —

4 The fruit - What - See Gal. 5-22-23

Setting aside the metaphor we are taught the necessity of continually living by faith - or trusting in Christ for a present Salvation every moment - And the works that are the legitimate fruit of this faith are ~~that~~ the fruit required. —

St. Johns Gospel. III-16.

For God So Loved the world &c—

1- Notice the object of Gods Love or Subjects
The world — the whole world
qualified by the word whosoever
in the text - refer to believers

2- Evidences or proofs Given of
his Love — He Gave his only
Son —

3. In order thirdly. that man
(Who in a perishing Condition)
might not perish, - be Saved
from wrath.

4- Be Secured Eternaly from this
State of death & misery —
& have everlasting Life.

S.D.

2" Peter I- from the 5 to the 11 in clusive
And besides this Giving all diligence to
The Apostle addresses himself to
believers - - &c

1- The additions needful -
1 Vertue - Courage
2 Knowledge -
3 Temperance
4 Patience
5 Godliness -
6 Brotherly kindness
7 Charity Love

2- Danger of neglecting to make the
additions - Certainty of Backsliding

3 Necessity of diligence - in this
work - ~~Our~~ Neither our Calling
nor election is Sure without
our Cooperation -

4- Blessed Consequences of So doing
1- We Shall never fall -
2- our deliverance Shall be
Complete, final & eternal
See - 11 - verse

119. Psalm - 165 v.

Great peace have they which love thy Law - and nothing shall offend them.

~~What is implied in loving the Law~~ The Psalmist - by the Law of Thine - means all the moral prohibitions & commands in the word of God - which are of general application - founded upon and growing out of the Decalogue or Table of Commandments given to Moses on the mount - and on the 1st & 2. of these says our Saviour hang all the Law & the Prophets - All are built upon this foundation Thou shalt love &c —

2. What do we understand by loving the Law of God — In order to love an object there must be something in that object - agreeable - But to the unregenerate soul there is nothing in the Law of God agreable

Hence ~~the~~ there must be a change on the part the creature - and when this change is wrought man naturaly - loves God & consequently delights in his Law
But we need some proof of this love - And say our Sevior on this subject ~~the~~ If any man loves me he will keep my words -
Then if we Love the Law of God because there is a disposition wrought in us by his Spirit to do And if we give evidence of this work & these affections by obedience in our life then may we know assuredly that we love his Law because - Peace is the certain companion of such a course
3- Great peace - - not small - not of families - neighborhoods - nations &- but peace in the soul - peace with God.
The peace of God which passeth all understanding -

4- Lastly - This peace Shall not only
be great but Lasting - Least so long
as they Love the Law of God —
So Great that no Earthly matter
Shall turn them aside —
nothing Shall offend them
God is their trust — their Hope
& their Everlasting Reward —
Glory to his name forever —

And this is the victory that overcometh the world even our faith.— 1 Epis. Ep. of John 5c-4v.

Mankind in his present ~~Sinful~~ fallen Sinful and perishing condition. is not only unfit for heaven.—the enjoyment of of God & angels; But is unable to prepare himself for that blessed place.— Nay even to make one single effort towards reform-ing his life— or abstaing from evil.

{ Without the restraing & drawing influence of the Spirit of God

God in the exercise of his infinite goodness and love to our race, devised a plan of deliverance.— He Gave his only Son Who became incarnated. kept the Law perfectly— Gave his life— a ransom— or died to satisfy the demands of offended Justice. And thus make it posible that offending man might again approach his offended Maker—

But Man was made a free agent else he he had not fallen.— he is still free to chose

or refuse the great deliverance which God has now made it possible he may be made the subject of — Hence it becam necsary ther should be a condition on the part of the creature — This brings us to the first leading idea in the text "faith" —

1st Faith its nature — what is this Great condition of Salvation. which "overcometh the world"

1st not the faith of a heathen — Nor yet the faith of devil. — tho both believe much —

2. Neither is it an assent or persuasion of the mind in reference to the general truths of the word of God or any particular part of them — for tho. there must be an assent of the mind to these — yet true christian faith must go much farther than this. There must be a yielding of the will. a trusting in Christ in God through Christ alone. cleaveing to Him as our only hope and present Salvation. — Then complying with the required condition of the Gospel — we

immediately receive the pardon of all past sins - and consequently the removal of Guilt, And (general) in the same moment the Holy Spirit ~~of God~~ witnesses that we are the children of God - And now for the first time in our lifes we are enabled to overcome the world viz - Sin. - because for the first time we have truly exercised faith in Christ. - And while we continue ~~to~~ to exercise this faith just so long while we have victory over Sin. For tho our nature is not fully renewed yet while we live by faith - we have the power and conquer all our Spiritual foes.

- But the power of faith in Christ is not fully known - in a justified State. The remaining Corruptions of our nature - pride, envy, covetousness, love of the world, &c - springing up trouble us - And like traitors within the camp serve to betray us to our external foes - as inlets to temptation unless we are continually Guarded by the "Sheeld of faith" It is not the will of God however that we should remain in this State says St Paul. It is the will

of God even your Sanctification". St. John 1-9-
If we confess our sins &c — also 7 v. "Cleanseth from
all sin" See Chp. III - 16-19. inclusive —
From these an various other passages of Holy Writ
the doctrine is plainly taught that the will
of God is our entire deliverance from all
unholy tempers, desires, and affections
That we should "love God with all our heart &c
and our neighbor as ourselves — That we
should be stripped of pride envy covetousness
&c — And all our passions regulated by this
Omnipotent work of Grace in our hearts.
Now faith is the one only condition
of this Great work. "This is the victory &c
And whether we consider "the word" here
to mean. our outward opposition to holi-
ness and purity of heart and life. or
that which we find within us opposed
to the goverment of God. or both
Still through faith we are victorious.
For what harm can the allurements of the
world do us — While we "are kept by the power
of God through faith — Now have we the

victory by faith the world is overcome. vanquished & by faith we "Stand an rejoice in hope of the glory of God" ——

Still this defensive armory must not be laid aside. we are Still in a State of probation. our enemies tho overcome and conquered Still exist. the artilery of hell is Still discharged upon us. "the fiery darts of the devil are Still hurld with a deadly aim — And nothing but the Shield of faith can Screen us. — Then let us take the exortation of St Paul — "Above all take to you the Shield of faith." "This is the victory that overcometh the world even our faith"

Notice examples of Strong in Abraham. Job &c

April 30 pr. at Millers

Isaiah XXXII. 17.

And the work of righteousness shall be peace; and the effect of righteousness quietness and assurance forever.

Righteousness if it exists at all must consist in either principles or practice or both. — True righteousness consists in faithfully acting from right principle

Mankind by nature has not the principle And consequently all are condemned as unrighteous. — Gods Law is the rule of right. — but man not having the principle in a State of nature cannot keep this Law. St. Paul — By the deeds of the Law &c —

True righteousness is that of faith by which (as the condition) we are changed from a State of sin and guilt to a State of righteousness — A new heart is given unto us — our whole Souls are renovated by the Spirit And we are not merely counted Righteous — but are actually made so Being Created anew in Christ Jesus

old things are passed away and all things are become new. This change is wrought by the power of the Holy Spirit and the Same Spirit bears witness of the work He has wrought.

The imediate fruit of this change is love to God & to our fellows—

And here is the Grand principle of righteousness exactly prepareing the man to practice the Great requirement of the Law. "Thou Shalt love" This is the first and Great principle of Christian righteousness—

This principle must be Cultivated carried out practiced upon.—If we Love God we will worship Him. and obey Him— If we love our neighbor we will do him Good— no harm— We will be found observing all the requirements of Gods word—

2 Peace of Concience is alway a certain accompaniment of a life of righteousness At peace with God at peace with

our neighbor · and the Peace of God which
passeth understanding possessing our Souls
Then must be Quietude Calmness Serenity
and Great enjoyments

3. But this State of enjoyment is not
designed to be momentary — we have the
assurance that it will Continue —
Just so long as we hold fast our
Righteousness by faith — and practice
according to the rule of Gods Holy
Word — Just so long will our enjoy=
ments Continue

And it is our high priviledge to have
a sure and certain hope of eternal life
This is founded upon the promises of God
For we know that if our earthly house of
this Tabernacle &c — 2 Cor V. 1. —

July — 1843

Heb. XII. 1. 1st part of 2v.

"Wherefore seeing we also are compassed about with so great a cloud of witnesses &c.

The first part of this is an inference drawn from the foregoing Chapter. Considering the many witnesses or evidences of the efficacy of faith in the holy lives & peaceful & glorious deaths of these — "Let us &c" —

1st The preparation "Let us lay &
2nd. The manner of running. "With patience
3rd. Support for & while running. "Looking &c
4th. The object of running. "to persue Christ & the joy

1. — Let us lay aside every weight. &c —

In order to do this we must begin at the right place. Heart is the heart. "Make the tree and the fruit will be good" — Whilever we are under the influence of our corrupt nature. we are incumbered so that we cannot "run" — First then seek & obtain the victory over every sin inward and outward. — A desire to enjoy the riches of this world.

The honours.

The pleasures

"Why lin that," &c. Tho the Apostle before exort to lay aside every Sin. he sees proper to guard against those Sins which we are most liable to. While one is carried away. by. Covetousness. another is beset most easily by its opposite prodigality Some by anger. others by pride. Any lust particular Sins. Sabbath breaking. Filthy evil Speaking. [illegible]

All these to be laid aside. [illegible]"

2 ly. The manner of running "with patience"

~~The~~ The prudent Man
Seeketh the evil & hideth
himself Proverbs

The highest wisdom is to
practice that which ensures the
most enduring happiness
prudence is wisdom in practice
Deeply impressed as well as
persuasion and sanctity, assure
us of the brevity of human life
& the mutability of earthly things
If this is considered an evil.
wisdom would dictate, (as we
cannot remove the evil) that
we use necessary that course
promising ~~that~~ deliverance
from it. The Scripture points
out ~~the~~ course. And if we
even a doubt should exist in regard
to the truthfulness of the Bible
still there being no other System
having even a probability of
an Hereafter, more than promises

So good a Specimen of Divine
Providence would any Farther
That Comment

Jefferson Medical College — Philadelphia

Caloric — Dr. Green — on Chemistry — November 15th to 1827

Fire may be produced by taking a piece of iron or wire pound it and aply to a piece of phosphorus — a particle of phosphorus put betwen paper & rubed produce the same Production of caloric by Chemical mixture — —

Take a tube of glass with a bulb at 1 end. aply the bulb to a Lamp till the air is rarefied then put the end of the tube in Aether. which will be prest up to fill the vacuem in the bulb. then let put the bulb in a heat which will force out the ether touch the stream with a blaze & a stream of blazing ether will be presented —

1- Renunciation of all former masters
- they were- Children of Satan & Servants
of Sin- Now- they do not commit Sin
- have power over it-

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Saturday Evening Philadelphia Feb 16th 1828

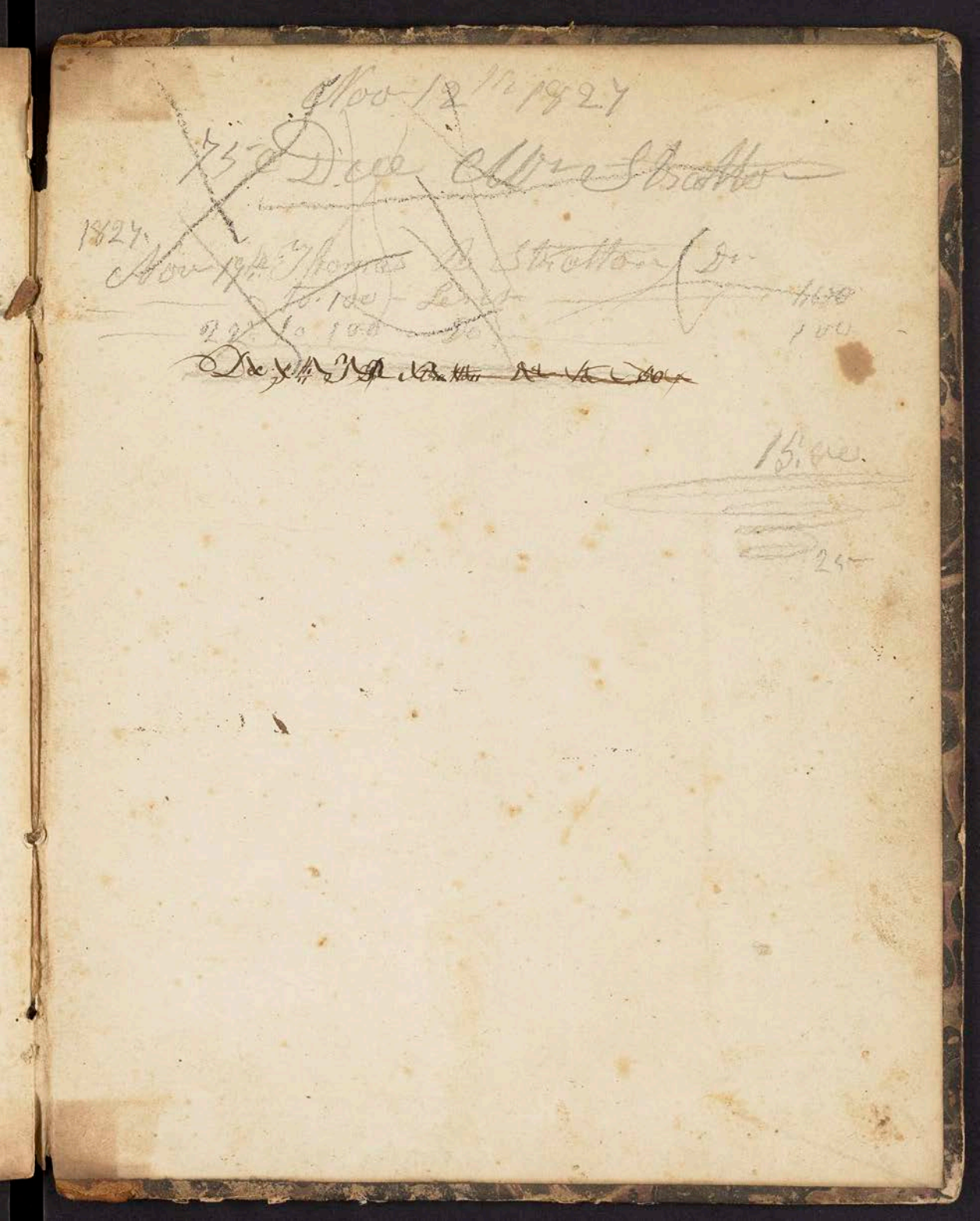
Nov 21st 1827

Rec'd of David C Wood 1 25
20 Dols
1.45

1828 Jan'y 7 Rec'd of Do - 20
1.65

Mr Stratton Dr 30
1.35

To 1 Cd Wood 4.50
to Cart Do 75
5.80

Jan 13th 1828 } Super Carbonate of Soda almost an infalible Cure for the tooth ache a small portion of the powder put into the tooth

D Green